Smoke Alarm

MAINS POWERED 230V~

Remote System Control Capability
& Rechargeable Battery Back-Up

Model Ei161RC Ionisation

- **Remote Control capability**
- **Easi-fit base**
- **Tamper-proof rechargeable Lithium battery back-up**
- **High performance ionisation chamber**
- **Test/Hush button**
- **Advanced suppression and calibration technology**
- **Interconnectable to other Ei mains powered alarms**
- **Low power cell warning**
- **Kitemarked to BS EN14604:2005**
- **5 year guarantee**

Product Description

The Ei161RC is an Ionisation Smoke Alarm that runs on 230V AC mains power, and has built in tamper-proof rechargeable Lithium cells that act as a battery back-up in the event of mains failure. These rechargeable Lithium cells are designed to have a ten-year life and outlast the life of the smoke alarm itself. They provide up to six months of smoke alarm operation without mains power.

The Ei161RC also has **R**emote **C**ontrol capability - allowing the detector to be controlled remotely from a Control Switch (Ei1529RC). This then allows remote Test, Locate and Hush functions to be performed. If the Ei161RC is also interconnected to other Ei '**RC**' mains powered alarms, then the whole system can be controlled remotely. Up to twelve alarms can be interconnected which will cause all alarms to sound when one unit senses smoke/heat. A Manual Call Point (MCP401RC) is also available.

The Ei161RC is supplied with the Easi-fit base that allows very quick and simple installation of the smoke alarm, combined with simple detector head removal and replacement. The Easi-fit base automatically connects both mains power and battery as the detector head slides on.

The Ei161RC has other advanced features such as built in circuitry to aid suppression of both voltage transients and radio-frequency interference to further reduce the chances of false alarms.

Operation

- The green indicator will illuminate to show mains power is present
- The red indicator will flash every 40 seconds to show that the detector has performed an automatic self test
- The red indicator will flash rapidly to show an alarm condition for the smoke detector
- The "Test/Hush" button will either silence false alarms (if briefly pressed) or perform a smoke chamber test (if pressed and held)
- In "Test" mode the alarm will perform a smoke chamber test and sound the horn
- In "Hush" mode the alarm enters a ten-minute period of reduced sensitivity to overcome false alarm conditions. It will then automatically reset
- When interconnected to other Ei mains powered alarms, an alarm on one detector will trigger all other interconnected alarms (only the triggered alarm will flash a red indicator)
- The smoke alarm will emit a beep every 40 seconds to indicate that the battery back up is depleted and needs recharging

Ei Electronics®
fire + gas detection

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E & OE As our policy is one of continuous product development, we reserve the right to alter product details without prior notice.

Model Ei161RC Ionisation

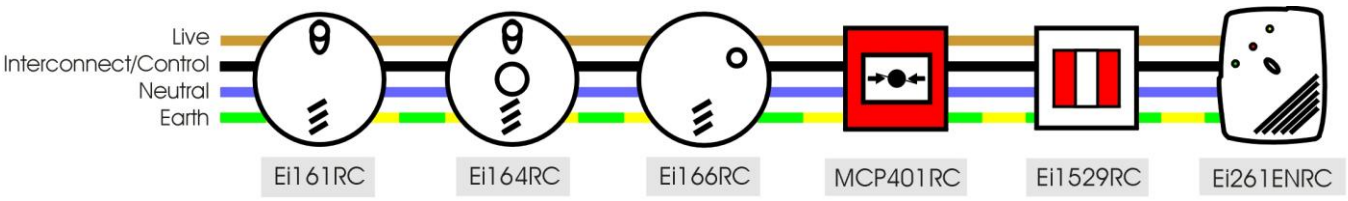
Technical Specification

Sensor	Ionisation
Sensitivity:	Complies with BS 5446 Part 1: 2000
Source:	Americium 241 (33kBq)
Button Test:	Simulates the effect of smoke and checks electronics and horn
Automatic Self-Test:	Circuitry is tested every 40 seconds and unit beeps if fault is detected
Supply Voltage:	230V AC, 50Hz
Battery back up:	Rechargeable Lithium cells
Power-On Indicator:	Continuous green LED
Alarm:	Electronic Piezoelectric horn
Alarm Sound Output:	85dB(A) (minimum) at 3m
Alarm Status:	Red LED flashes every second on unit sensing fire
Normal Operating Temperature Range:	0 to 40°C
Humidity Range:	15% to 95% Relative Humidity
Interconnect:	Up to 12 of these units can be interconnected: - Ei161RC/164RC/166RC smoke or heat alarms - Ei261ENRC/261DENRC CO alarm - Ei128RBU relay base Use with optional control (see below)
Optional Controls:	- Ei1529RC Control Switch - MCP401RC Manual Call Point
Fixing:	Easi-fit mounting base
Plastic material:	UL94VO flame retardant
Dimensions:	145mm diameter x 40mm depth
Weight:	281g
Guarantee:	5 year (limited)
Approvals:	Kitemarked to BS EN14604:2005 CE certified

Specifications are subject to change

System Wiring

Wiring for Interconnected Alarms with optional Remote System Control Switch & Manual Call Point



Ensure correct wiring of the alarms and switches as mixing Live and Neutral will blow / damage interconnected units.

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